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PATENT
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF : KARL TRYGGVASON, et al.
FOR : **PERFUSION APPARATUS AND
METHODS FOR PHARMACEUTICAL
DELIVERY**
SERIAL NO. : 10/004,161
FILED : November 15, 2001
EXAMINER : Unknown
ART UNIT : 3763
ATTORNEY DOCKET NO. : TRV 2 0010-1-1-3

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner of Patents
Washington, D.C. 20231

Dear Sir:

In accordance with 37 C.F.R. §§ 1.56, 1.97, 1.98 and MPEP § 609, applicants submit the following Supplemental Information Disclosure Statement concerning art of which the applicants are aware. A copy of PTO-1449 is enclosed herewith.

This Supplemental Information Disclosure Statement is not intended to constitute an admission that any patent, publication or other information referred to herein or submitted herewith is "prior art" for this invention unless specifically designated as such.

In accordance with 37 C.F.R. §1.97(g) and (h), the filing of this Supplemental Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. §1.56(b) exists.

Under § 1.98(a)(3), no concise explanation of relevance is required for information that is in the English language. Accordingly, the enclosed reference requires no further explanation.

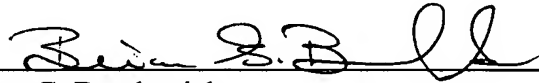
Under § 1.97(b)(3), this Supplemental Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits. Although it is believed no fee is necessary, any deficiency in fees should be charged to Deposit Account No. 06-0308.

U.S. Serial No.
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It is respectfully requested that the attached document be considered and officially cited
in examination of this application.

Respectfully submitted,

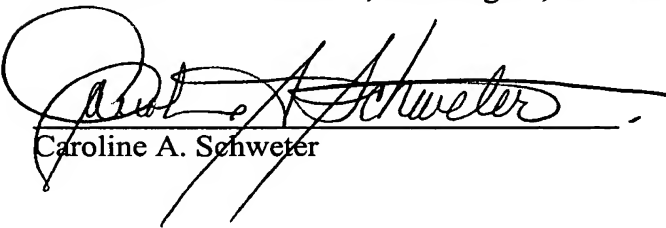
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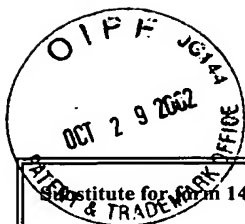


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CERTIFICATE OF MAILING

I hereby certify that this **Supplemental Information Disclosure Statement** is being deposited
with the United States Postal Service as first class mail in an envelope addressed to: Assistant
Commissioner of Patents, Washington, D.C. 20231, on October 22, 2002.


Caroline A. Schweter



Institute for Form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANTS**Atty. Docket No.:
TRV 2 0010-1-1-3

Application No.:10/004,161

First Named Inventor: **KARL TRYGGVASON, et al.**Filing Date: **November 15, 2001**Examiner: **Unknown**Group: **3763****U.S. PATENT DOCUMENTS**

| Examiner Initials* | Cite No. | Document No. | Publication Date | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|-----------------------|-------------|--------------|------------------|--|---|
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FOREIGN PATENT DOCUMENTS

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T ? |
|-----------------------|-------------|--|--------|
| | AQ | T. PARPALA-SPÄRMAN, et al., <u>Closed-circuit organ perfusion technique for gene transfer into the lungs.</u> <u>An experimental trial on farm pigs</u> , European Journal of Clinical Investigation (March 2001), Issue 3, Vol. 31, pp. 264-271. | |

Examiner
Signature

Date Considered